

Zero phase current transformer

ZCT SETRIES



FEATURES:

- High ratio
- Standard footprints

COMMON APPLICATIONS:

- AC energy Meter Power transducer RTU
- Protection current transformer
- AC kilowatt hour meter
- Electronical monitoring system

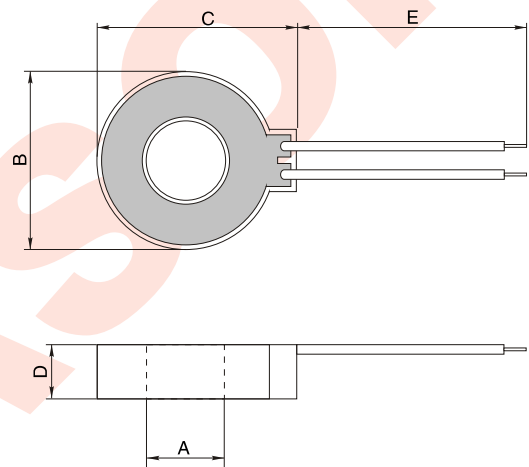
ELECTRICAL CHARACTERISTICS:

Part Number	Rated primary current(A)	Turns ratio	DCR (Ω)	Vmax	Frequency
General purpose vertical PCB current transformers					
ZCT401-1000	10	1000:1	49	1.5	20-1KHz
ZCT410-1000	20	1000:1	41	2.1	20-1KHz
ZCT420-1000	50	1000:1	22	3.8	20-1KHz
ZCT448-2000	50	2000:1	106	10.2	20-1KHz
ZCT449-1000	50	1000:1	35	6.8	20-1KHz
ZCT449-2000	75	2000:1	83	12.8	20-1KHz
ZCT450-1000	100	1000:1	21	10.7	20-1KHz
ZCT450-2000	200	2000:1	73	14.6	20-1KHz
High frequency vertical PCB current transformers					
ZCT448-2000-F	50	2000:1	90	4.1	20-200KHz
ZCT449-2000-F	75	2000:1	109	7.4	20-200KHz
ZCT450-2000-F	100	2000:1	63	10.3	20-200KHz
Revenue grade vertical PCB current transformers					
ZCT448-2500-N	40	2500:1	134	2.3	20-1KHz
ZCT449-2500-N	50	2500:1	187	2.4	20-1KHz
ZCT450-2500-N	75	2500:1	160	4.8	20-1KHz
ZCT459-2000-N	200	2000:1	74	7.2	20-1KHz
Ground fault vertical PCB current transformers					
ZCT401-1000-G	4	1000:1	49	0.4	20-1KHz
ZCT410-1000-G	7	1000:1	38	1.1	20-1KHz
ZCT420-1000-G	20	1000:1	44	1.7	20-1KHz

Notes:

Vmax: Maximum voltage(saturation) CT will develop

TECHNICAL INFORMATION



DIMENSIONS IN:mm

	A	B	C	D	E
ZCT401	6.99	17.53	22.35	8.26	75.08
ZCT410	9.0	22.0	27.8	8.20	73.0
ZCT420	15.0	30.0	36.0	9.20	100.0
ZCT448	7.11	23.42	29.46	11.05	100.0
ZCT449	9.14	26.0	31.8	17.0	100.0
ZCT450	3.08	36.83	43.18	13.97	88.9
ZCT459	19.0	48.0	60.0	17.5	200.0

TECHNICAL INFORMATION:

- Maximum continuous primary current 4 x rated current
- Storage Temperature: -45°C to $+85^{\circ}\text{C}$
- Operating temperature general purpose & nickel: -40°C to $+85^{\circ}\text{C}$
- Operating temperature high frequency: -40°C to $+65^{\circ}\text{C}$
- Marking: Part number and date code

Note:All specifications subject to change without notice.

ELECTRONICAL SCHEMATIC

